

# Search for PIN family members from different plant species

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Updated date: Jan 11, 2021



An abbreviated version of this protocol was published in Science Advances in Dec 2020

Functional innovations of PIN auxin transporters mark crucial evolutionary transitions during rise of flowering plants

DOI: 10.1126/sciadv.abc8895

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**How to cite:** (Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used)

1. Zhang, Y. and Li, L. (2021). Search for PIN family members from different plant species. Bio-protocol Preprint. [bio-protocol.org/prep742](https://bio-protocol.org/prep742).
2. Zhang, Y., Rodriguez, L., Li, L., Zhang, X. and Friml, J.(2020). Functional innovations of PIN auxin transporters mark crucial evolutionary transitions during rise of flowering plants. Science Advances 6(50). DOI: [10.1126/sciadv.abc8895](https://doi.org/10.1126/sciadv.abc8895)

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